

AMENDMENTS TO THE CLAIMS

The listing of claims presented below will replace all prior versions and listings of claims in the application.

Listing of claims:

1. **(Currently Amended)** A data write-in method for a flash memory, wherein the flash memory comprises at least two flash chips and a controller, and the method comprises:

partitioning physical blocks in the at least two flash chips such that the physical blocks in one of the at least two flash chips have odd logical block addresses and the physical blocks in ~~the other~~ another one of the at least two flash chips have even logical block addresses;

the controller receiving a data write-in instruction and analyzing a beginning logical address for writing from the received data write-in instruction;

the controller obtaining the logical block address needed to be written according to the analyzed beginning logical address;

the controller determining a parity of the obtained logical block address, and selecting one flash chip from the flash chips according to the determined parity of the logical block address;

the controller directing a first programming or erasing instruction to the physical blocks corresponding to the obtained logical block address in the selected flash chip;

the controller detecting whether ~~the other~~ said another one flash chip needs to be programmed or erased while the first programming or erasing instruction are being processed; if programming or erasing is needed in ~~the other~~ said another one flash chip, the method further comprises:

the controller directing a second programming or erasing instruction to the other said another one flash chip of at least two flash chips.

2. (Cancelled)

3. (Previously Amended) The data write-in method for a flash memory according to claim 1, wherein if the other flash chip does not need to be programmed or erased, the method further comprises:

judging whether the processing of the first programming or erasing instruction is finished.

4-5. (Cancelled)

6. (Previously Amended) The data write-in method for a flash memory according to claim 1, wherein the analyzing further comprises:

obtaining the number of sectors needed to be written from the data write-in operation instruction.

7. (Previously Amended) The data write-in method for a flash memory according to claim 6, the analyzing further comprises:

judging whether the data write-in instruction has been finished by subtracting a number of written sectors from a number of sectors needed to be written.